

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for the purification of an aqueous
~~peroxygen solutions~~ hydrogen peroxide solution comprising the treatment of an aqueous
hydrogen peroxide solution ~~peroxygen solution~~ first with (a) ~~at least one~~ membrane
~~purification~~ a reverse osmosis membrane purification step, (b) ~~optionally at least one ion~~
~~exchange purification step~~, (c) ~~optionally at least one dilution step~~, and (d) afterwards with at
least one other purification step, all of which can be conducted in any sequence selected from
the group consisting of exposure to ultraviolet light, exposure to ozone, contact with at least
one adsorption resin, and any combination thereof.

Claim 2 (Cancelled)

Claim 3 (Currently Amended): The process according to claim 1 2, wherein the
hydrogen peroxide solution has a concentration before treatment of 5 to 70 % by weight of
hydrogen peroxide.

Claim 4 (Cancelled)

Claim 5 (Currently Amended): The process according to claim 1, wherein the other
purification ~~step is chosen from~~ includes exposure to ultraviolet light, ~~exposure to ozone,~~
~~contact with at least one adsorption resin, or any combination thereof.~~

Claim 6 (Currently Amended): The process according to claim 1, wherein the
treatment comprises, in the following sequence, (1) a the reverse osmosis membrane

purification ~~step~~, (2) a purification ~~step chosen from~~ selected from the group consisting of exposure to ultraviolet light, ~~and/or~~ exposure to ozone and a combination thereof, (3) a dilution ~~step~~, (4) an optional contact with an adsorption resin, (5) an optional ion exchange purification ~~step~~.

Claim 7 (Currently Amended): The process according to claim 6, wherein the treatment additionally ~~contains~~ comprises (6) a second optional ion exchange purification ~~step~~, and (7) a second purification ~~step chosen from~~ selected from the group consisting of exposure to ultraviolet light, ~~and/or~~ exposure to ozone and a combination thereof.

Claim 8 (Currently Amended): The process according to claim 1, wherein the treatment comprises, in the following sequence, (1) a the reverse osmosis membrane purification ~~step~~, (2) a treatment ~~chosen from~~ selected from the group consisting of exposure to ultraviolet right, exposure to ozone, ~~and/or~~ contact with at least one adsorption resin, and any combination thereof, (3) optionally one or more other treatments.

Claim 9 (Currently Amended): The process according to claim 8, wherein the treatment comprises, in the following sequence, (1) a the reverse osmosis membrane purification ~~step~~, (2) exposure to ultraviolet light, and (3) contact with at least one adsorption resin.

Claim 10 (Cancelled)

Claim 11 (Cancelled)

Claim 12 (Cancelled)

Claim 13 (New): The process according to claim 1, wherein the other purification includes exposure to ozone.

Claim 14 (New): The process according to claim 1, wherein the other purification includes contact with at least one adsorption resin.

Claim 15 (New) The process as claimed in Claim 1 wherein said aqueous hydrogen peroxide solution has a TOC level after treatment of less than 1 mg/kg.

Claim 16 (New) The process as claimed in Claim 1 wherein said aqueous hydrogen peroxide solution has a TOC level after treatment of less than 0.01 mg/kg.